



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038116

Supplier: AVI002-VU
Aviall
PO BOX 842275
Dallas, TX 75284-2275 USA
Phone: 905-676-1695
Fax: 905-676-9046

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038116
PO Date: 10/23/17
Due Date: 10/27/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal Phone: clavoie@dartaero.com
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

OCT 23 2017

Items													
Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1			AS9277016	EA9394	Loctite		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$178.61/Ea	\$178.61
Line Item Note: NAZIM													
2			AS9319016	EA9394C2	Loctite		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$300.08/Ea	\$300.08
Line Item Note: NAZIM													
3			416022	Loctite Frekote 44NC aerosol			Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$21.53/Ea	\$21.53
Line Item Note: NAZIM													
4			548989	Loctite Frekote 770-NC Aerosol			Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$17.85/Ea	\$17.85
Line Item Note: NAZIM													

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/23/17 10:12 AM DART.LAVOIE.CHANTAL

PACKING LIST



PAGE:1 of 1
 DATE:01NOV17
 TIME:07:56:16
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 CURRENCY:USD
 TERMS:Net 30

CUSTOMER PO:38116
 ORDER NUMBER:1003549586
 ORDER DATE:31OCT17

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DART AEROSPACE LTD
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TORONTO SALES OFFICE
UNIT 2-7425 TRANMERE DRIVE
MISSISSAUGA ON L5S 1L4
CANADA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
000010	0	6P	548989 MOLD RELEASE: RUBBER,16OZ BATCH 7364656119	1	1	0	EA		17.85	17.85

SP/AB
 This is not an Invoice.
 For payment processing, please refer to Invoice.

CERTIFICATE OF CONFORMANCE / CERTIFICAT DE CONFORMITE

I hereby certify that the aircraft parts appliances and/or aircraft materials described hereon were acquired from a source of supply that is consistent with the conditions under which the department of transport distributor approval number 35-86 has been granted. Je certifie par la presente que les pieces appareils et/ou materiaux d'avions decrits ci-dessus ont ete acquis d'une source d approvisionnement consistante avec les conditions sous lesquelles l'approbation du distIBUTEUR du departement du transport no. 35-86 ont ete recue.

Rick Rantz, DSM

01NOV17
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL
 ESCOMPTE APPLIQUE SUR SOUS TOTAL SEULEMENT.
 ALL RETURNED MERCHANDISE SUBJECT TO A
 HANDLING FEE. FRAIS DE MANUTENTION APPLIQUE
 SUR TOUTE MARCHANDISE RETOURNEE.



Dart Hawkesbury
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

**PURCHASE ORDER
PO038116**

Supplier: AVI002-VU
Aviall
PO BOX 842275
Dallas, TX 75284-2275 USA
Phone: 905-676-1695
Fax: 905-676-9046

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038116
PO Date: 10/23/17
Due Date: 10/27/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

OCT 23 2017

Items:

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1				AS9277016	EA9394 Loctite		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$178.61/Ea	\$178.61
Line Item Note	NAZIM			AS9319016	EA9394C2 Loctite		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$300.08/Ea	\$300.08
Line Item Note	NAZIM			416022	Loctite Frekote 44NC aerosol		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$21.53/Ea	\$21.53
Line Item Note	NAZIM			548989	Loctite Frekote 770-NC Aerosol		Firmed	10/27/17	1 Ea	0 Ea	1 Ea	\$17.85/Ea	\$17.85

Grand Total: \$518.07

Order Notes:

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PAGE:1 of 1
 DATE:23OCT17
 TIME:16:39:23
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 ORD TYP: ZOR 169
 CURRENCY:USD
 TERMS:Net 30

CUSTOMER PO:38116
 ORDER NUMBER:1003527490
 ORDER DATE:23OCT17

DELIVERY NUMBER: 8005079711

ROUTE: US FedEx International Ground

B 10003952
 DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY ON K6A 1K7
 CANADA

S 10003952
 SH DART AEROSPACE LTD
 1270 ABERDEEN STREET
 P HAWKESBURY ON K6A 1K7
 CANADA
 TO

S 1000
 SH AVIALL CENTRAL WAREHOUSE
 1270 ABERDEEN STREET
 P DALLAS CDC
 2750 REGENT BLVD
 F DFW AIRPORT TX 75261
 FROM USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	6P	AS9277016 ADHESIVE: EPOXY,A/B,QT BATCH 7364573375	1	1	0	EA		178.61	178.61

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The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
 Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE
 It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd, DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.
 THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR ACT OF 1938 AMENDED.

PACKING LIST



CUSTOMER PO:38116
ORDER NUMBER:1003527490
ORDER DATE:23OCT17

DELIVERY NUMBER: 8005079713

ROUTE: US FedEx International Ground

PAGE:1 of 1
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CURRENCY:USD
TERMS:Net 30

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I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA

S 1000
H AVIALL CENTRAL WAREHOUSE
I DALLAS CDC
P 2750 REGENT BLVD
F DFW AIRPORT TX 75261
R USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	6P	416022 MOLD RELEASE: 16OZ BATCH 7364544695	1	1	0	EA		21.53	21.53

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PACKING LIST



PAGE:1 of 1

DATE:27OCT17

TIME:08:16:33

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CURRENCY:USD

TERMS:Net 30

 CUSTOMER PO:38116
 ORDER NUMBER:1003527490
 ORDER DATE:23OCT17

DELIVERY NUMBER: 8005079712

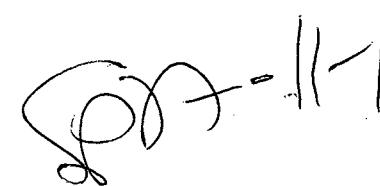
ROUTE: US FedEx International Ground

 B 10003952
 DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY ON K6A 1K7
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 1270 ABERDEEN STREET
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 AVIALL CENTRAL WAREHOUSE
 DALLAS CDC
 P 2750 REGENT BLVD
 DFW AIRPORT TX 75261
 F R O M USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	6P	AS9319016 ADHESIVE: EPOXY,A/B,QT BATCH 7364569568	1	1	0	EA		300.08	300.08


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AV20 RS-06

JR Hofmann, Director, Global Quality

 27OCT17
 Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
 RETURNED MERCHANDISE SUBJECT TO HANDLING
 FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
 THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
 AMENDED.

CUSTOMER COPY



Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Government Transaction Number
NOEEI FTR 30.36
Delivery Number
8005079711
Commercial Invoice Number
9306363086
Ship From
LU_US_1000
AVIALL CENTRAL WAREHOUSE
2750 REGENT BLVD.
DFW AIRPORT TX 75261
USA
Ship Date
23 October, 2017
Incoterms
EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Comments: ATTN Freight Forwarder: Email a copy of Master Air Way Bill (MAWB) to aesaudits@aviall.com							

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
10	AS9277016 - ADHESIVE: EPOXY,A/B,QT Export Tariff: 3506100000 Export Classification: EAR99 Authorization: NLRAT_OCT_2017 Sales Order: 1003527490 PO: 38116 Batch Number : 7364573375	US	1	EA	178.61	178.61

Sept 10-1



Commercial Invoice

A BOEING COMPANY

Delivery Number 8005079711	Commercial Invoice Number 9306363086
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Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value	178.61
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	178.61

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NOT A BILLING INVOICE**

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end user(s) here in identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Government Transaction Number

NOEEI FTR 30.36

Tracking Number	Delivery Number
075212178453364	8005079712
Ship From	Commercial Invoice Number
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA	9306388750
Ship Date	27 October, 2017
Incoterms	EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Tax Number: 20-4734803							

Comments:

ATTN Freight Forwarder: Email a copy of Master Air Way Bill (MAWB) to aesaudits@aviall.com

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
20	AS9319016 - ADHESIVE: EPOXY,A/B,QT Export Tariff: 3506100000 Export Classification: EAR99 Authorization: NLRAT_OCT_2017 Sales Order: 1003527490 PO: 38116 Batch Number : 7364569568	US	1	EA	300.08	300.08

SPR 11-1



Commercial Invoice

A BOEING COMPANY

Delivery Number 8005079712	Commercial Invoice Number 9306388750
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Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value	300.08
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	300.08

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Safety Data Sheet



Revision Number: 003.0

Issue date: 08/06/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE EA 9394C-2 AERO PART A
QT known as EA 9394/C-2 PART A
QUART

Product type: Adhesive for the Aerospace Industry

Restriction of Use: None identified

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 937147

Item number: AA9319016

Region: United States

Contact information:
Telephone: (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)



Precautionary Statements

Prevention: Avoid breathing dust or fumes. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Aluminum	7429-90-5	30 - 60
Polyfunctional epoxy resin	Proprietary	30 - 60
Epoxy resin	Proprietary	10 - 30
Modified epoxy resin	Unknown	5 - 10
Treated fumed silica	67762-90-7	1 - 5

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Scrape up spilled material and place in a closed container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. For industrial use only.

Storage: For safe storage, store at or below -18 °C (0.4 °F) Refrigerated storage is recommended to maintain product quality.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Aluminum	1 mg/m ³ TWA Respirable fraction.	5 mg/m ³ PEL (as Al) Respirable dust. 15 mg/m ³ PEL (as Al) Total dust.	None	None
Polyfunctional epoxy resin	None	None	None	None
Epoxy resin	None	None	None	None
Modified epoxy resin	None	None	None	None
Treated fumed silica	10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction.	15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction.	None	None

Engineering controls: Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

Respiratory protection: When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Eye/face protection: Safety goggles or safety glasses with side shields.

Skin protection: Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid, Paste
Color:	Gray
Odor:	Slight
Odor threshold:	Not available.
pH:	Neutral
Vapor pressure:	Nil
Boiling point/range:	Not determined
Melting point/ range:	Not determined
Specific gravity:	1.49
Vapor density:	> 1
Flash point:	> 200 °C (> 392°F) ; Estimated
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
Reactivity:	Not available.
Conditions to avoid:	Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm. The exotherm has the potential for release of toxic gasses.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation.
Skin contact:	This product may cause irritation to the skin. This product may cause an allergic skin reaction.
Eye contact:	This product may cause irritation to the eyes.
Ingestion:	Not a relevant route of exposure.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Aluminum	None	Central nervous system, Irritant, Lung
Polyfunctional epoxy resin	None	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System
Epoxy resin	None	Allergen, Irritant
Modified epoxy resin	None	No Data
Treated fumed silica	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Aluminum	No	No	No
Polyfunctional epoxy resin	No	No	No
Epoxy resin	No	No	No
Modified epoxy resin	No	No	No
Treated fumed silica	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Toxic to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division: 9
Identification number: UN 3077
Packing group: III
Marine pollutant: Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin
Exceptions: Classified per IMDG Amendment 34; Effective Jan 1, 2010.

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum (CAS# 7429-90-5).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

Issue date: 08/06/2014

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

Safety Data Sheet



Revision Number: 002.5

Issue date: 11/10/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE EA 9394C-2 AERO PART B 8OZ known as EA 9394/C-2 PART B 8 OZ
Product type: Adhesive for the Aerospace Industry
Restriction of Use: None identified
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

IDH number: 937148
Item number: AB9319014
Region: United States
Contact information:
Telephone: (860) 571-5100
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: HARMFUL IF SWALLOWED.
TOXIC IN CONTACT WITH SKIN.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
MAY CAUSE AN ALLERGIC SKIN REACTION.
FATAL IF INHALED.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
ACUTE TOXICITY INHALATION	2
ACUTE TOXICITY DERMAL	3
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

PICTOGRAM(S)



Precautionary Statements

Prevention: Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. [In case of inadequate ventilation] wear respiratory protection.

Response: If SWALLOWED: Immediately call poison control or physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or physician. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	6864-37-5	30 - 60
4,4'-Methylenebis(cyclohexylamine)	1761-71-3	30 - 60
Substituted imidazole	Proprietary	0.1 - 1

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:

For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part B at temperatures greater than 100 °C (212 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Do not cut, grind, weld, or drill on or near this container.

Storage:

For safe storage, store at or below 25 °C (77°F)
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	None	None	None	None
4,4'-Methylenebis(cyclohexylamine)	None	None	None	None
Substituted imidazole	None	None	None	None

Engineering controls:

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination. Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection:

Wear chemical goggles; face shield (if splashing is possible).

Skin protection:

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Purple
Odor:	Ammonia
Odor threshold:	Not available.
pH:	Alkaline
Vapor pressure:	Negligible
Boiling point/range:	> 93 °C (> 199.4 °F) (1,013 hPa)
Melting point/ range:	Not determined
Specific gravity:	1
Vapor density:	Not determined
Flash point:	> 93 °C (> 199.4 °F) ; Estimated
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not applicable
Evaporation rate:	Not determined
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
Reactivity:	Not available.
Conditions to avoid:	Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless you plan to use immediately. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause allergic respiratory reaction.
Skin contact:	Mists, vapors or liquid may cause severe irritation or burns. May cause allergic skin reaction.
Eye contact:	This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
Ingestion:	Ingestion of this product may cause nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	None	Brain, Corrosive, Irritant, Liver, Lung, Muscle, Skin
4,4'-Methylenebis(cyclohexylamine)	None	Irritant, Allergen
Substituted imidazole	None	Allergen, Reproductive

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	No	No	No
4,4'-Methylenebis(cyclohexylamine)	No	No	No
Substituted imidazole	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: This product, if discarded, may be characterized as a RCRA corrosive waste, D002.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Corrosive liquids, toxic, n.o.s. (2,2-Dimethyl-4,4-methylenebis-cyclohexylamine, 4,4-methylenebis-cyclohexylamine)
Hazard class or division: 8 (6.1)
Identification number: UN 2922
Packing group: II

International Air Transportation (ICAO/ATA)

Proper shipping name: Corrosive liquid, toxic, n.o.s. (2,2-Dimethyl-4,4-methylenebis-cyclohexylamine, 4,4-methylenebis-cyclohexylamine)
Hazard class or division: 8 (6.1)
Identification number: UN 2922
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (2,2-Dimethyl-4,4-methylenebis-cyclohexylamine, 4,4-methylenebis-cyclohexylamine)
Hazard class or division: 8 (6.1)
Identification number: UN 2922
Packing group: II
Marine pollutant: 2,2-Dimethyl-4,4-methylenebis-cyclohexylamine, 4,4-methylenebis-cyclohexylamine

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA Section 313: None above reporting de minimis

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

Issue date: 11/10/2015

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.



PACKING LIST

No. 3003774602 Date 05/31/2017

Warehouse:
Henkel Corporation
2850 Willow Pass Road
BAY POINT, CA 94565-3237
Tel: 925-458-8000
Fax: 925-458-8030

SOLD-TO-ADDRESS

Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
DALLAS TX 75261-9048
UNITED STATES OF AMERICA

REF: 441537

SHIP-TO-ADDRESS

Aviall Inc
Attn Receiving Dock 15-18
2750 Regent Blvd
DALLAS TX 75261-9048
UNITED STATES OF AMERICA

REF: 441537

Consignee must inspect upon delivery

Ship to acc.:

Contact: Sherita Greason

Tel./Fax:

Ship date: 05/31/2017

MATERIAL DESCRIPTION PURCHASE ORDER / COUNTRY OF ORIGIN	MATERIAL NO.	QTY ORDERED	QTY SHIPPED UOM	NET WEIGHT	BATCH NUMBER EXPIRATION DATE	QTY/PACK	HANDLING UNIT NUMBER
Delivery: 87533223 created on 05/23/2017							
LOCTITE EA 9394C-2 QT AERO (A)-1QT (B)-8OZ KIT known as HYSOL EA 9394/C-2 QT SYSTEM 20/PO# 45636223	AS9319016	24	24 EA			1x24.000 EA	
US ECCN: EAR99 License: NLR	420516		Old Mat No.: AS9319016				
SPEC: 811 HS-AS9319			Rev. A				
TEMPERATURE STABILITY: 2 °C - 30 °C :							

AVAIL: TRUE CERTIFIED COPY | 10/27/2017 | Ship #: 80005079712 | Line: 10 | 736455695568 | Qty: 1 | CPO: 38116



PACKING LIST

No. 3003774602 Date 05/31/2017

Warehouse:
Henkel Corporation
2850 Willow Pass Road
BAY POINT, CA 94565-3237
Tel: 925-458-8000
Fax: 925-458-8030

SOLD-TO-ADDRESS

Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
DALLAS TX 75261-9048
UNITED STATES OF AMERICA

REF: 441537

SHIP-TO-ADDRESS

Aviall Inc
Attn Receiving Dock 15-18
2750 Regent Blvd
DALLAS TX 75261-9048
UNITED STATES OF AMERICA

REF: 441537

Ship to acc.:

Contact: Sherita Greason
Tel./Fax:

Ship date: 05/31/2017

Consignee must inspect upon delivery

MATERIAL DESCRIPTION PURCHASE ORDER / COUNTRY OF ORIGIN	MATERIAL NO.	QTY ORDERED	QTY SHIPPED UOM	NET WEIGHT	BATCH NUMBER EXPIRATION DATE	QTY/PACK	HANDLING UNIT NUMBER
Total Net weight : 21.77 KG /	47.99	LB					
Total gross weight : 24.74 KG /	54.55	LB					
Total packages : 2							
Carrier : Fed Ex Ground							
Carrier trailer number :							
Transport type : LTL / Commuter							
Incoterms : EXW Ex Works - COLLECT							
PRO-BILL No. :							
Shipment No.: 3003774602							
VENDOR# 68126 PRICING IS THE MOST UPDATED PRICING FOR CURRENT YEAR.							

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



Certificate of Analysis

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

DATE 31 May 2017
PAGE 1 of 1

Purchase Order: 45636223
Date of P.O.: 05 April 2017
Sales Order: 91159151
Delivery Note or Debit Memo: 87533223
Delivery Note position: 900001
Customer No.: 441537

Material: LOCTITE EA 9394C-2 QT AERO
(A)-1QT (B)-8OZ KIT
Known as: HYSOL EA 9394/C-2 QT SYSTEM

Material-No: 420516
Legacy Code: AS9319016
Bulk Material: 891988
Batch no: JH7EAJ7856
Shipment Quantity: 24.000 EA
Manufacture date: 21 April 2017
Specification: HS-AS9319
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY

Revision: A

Batch Tested	Test Properties	Specification	Individuals	Avg	UOM
JH7E007856	Color , Part A - Gray	—	OK	—	—
JH7E007856	Appearance and Homogenous , PtA Exam - NFM	—	OK	—	—
JH7E007856	Weight per Epoxide , Part A, WPE	174-190	178,180	179	g/eq
JH7E007856	Viscosity (Brookfield) , PtA@25C (HBT#7, 20rpm)	4000-8000	6100,6180,6320	6200	poise
JH7E007856	Color , Part B - Purple-Dark Green	—	OK	—	—
JH7E007856	Appearance and Homogenous , PtB Exam - NFM	—	OK	—	—
JH7E007856	Amine Content , Part B, Amine	13.7-14.8	14.7,14.8	14.8	%
JH7E007856	Viscosity (Brookfield) , PtB@25C (LVF#1, 30rpm)	0.25-0.75	0.39,0.40,0.41	0.40	poise
JH7E007856	Pot Life , 450gms@77F	> = 6	6	6	hour(s)
JH7E007856	Tensile Shear , TS@77F i00 (Bare/PAA)	> = 3800	4130,4510,4530,4580 4610,4650	4502	lb/sq.inch
JH7E007856	Tensile Shear , TS@300F i00 (Bare/PAA)	> = 2500	3130,3130,3400,3420 3440,3460	3330	lb/sq.inch
JH7E007856	Tensile Shear , TS@300F(192hrs soak@300F)	> = 2500	2860,2860,2910,2940 2980,3160	2952	lb/sq.inch
JH7E007856	Date Of Testing ,	May 19, 2017			

The above identified product conforms to all requirements listed above at the date and place of shipment from Henkel. If altered in any manner this test report is not valid. Test reports are available for inspection at Henkel Corporation, Bay Point, California. Henkel warrants this product for 12 months from the date of shipment from Henkel or an authorized distributor when stored at a temperature of $\leq 82F / \leq 28C$. The warranty set forth is exclusively for the benefit of any recipient of the above identified product shipped directly from Henkel or a distributor that has been expressly authorized in writing by Henkel to provide such warranty on behalf of Henkel. Unless received directly from Henkel, please refer to the provider's certified letter from Henkel that establishes them as a Henkel authorized entity.

Signed Test Report on File

Henkel Quality Assurance

Date of Shipment: 31 May 2017

Henkel Corporation,
Aerospace Group
2850 Willow Pass Road
Bay Point, CA 94565-3237

Tel.: (925) 458-8000
Fax: (925) 458 8030
www.aerospace.henkel.com



Addendum

DATE 31 May 2017
PAGE 1 of 1

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

YOUR ORDER: 45636223
DATE OF ORDER: 05 April 2017
DELIVERY NOTE: 87533223
DELIVERY POSITION: 900001
CUSTOMER NO: 441537

Material: LOCTITE EA 9394C-2 QT AERO
(A)-1QT (B)-8OZ KIT
Known as: HYSOL EA 9394/C-2 QT SYSTEM
Material-No: 420516
Batch
Batch no: JH7EAJ7856
Film Batches
Quantity: 24.000 EA
Manufacture date: 21 April 2017

Specification: HS-AS9319 Revision: A
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY
Listed below are the specifications covered by the Henkel specification HS-AS9319.

Specification	Revision
CDM200-01 (TYPE 4.9B)	J
CMS 0203	B
EPS 11317-11	
HS1265 CODE IVD2	BB
HS5345 CODE IVD2	P
LMS 10070183	A
PS1817 ISSUE 1	1
TD 105032-001 CN00050235	



*Safety Data Sheet
Supplemental Information*

OCT 23 2017

Delivery Number: 8005079711

Supplier Name:

AVIALL CENTRAL WAREHOUSE
DALLAS CDC
DFW AIRPORT 75261
PH: 972-586-1000

Product Details:

AS9277016=6P

ADHESIVE: EPOXY,A/B,QT

HENKEL CORPORATION

LOCTITE EA 9394 AERO PART A QT KNOWN AS EA 9394 PART A QUART

1 of 1

SDS contact - PRC@Aviall.com

Aviall Services, Inc, 2750 Regent Blvd., P.O. Box 619048, DFW Airport, TX, 75261

Safety Data Sheet

The logo for Henkel, featuring the word "Henkel" in a bold, sans-serif font inside an oval border.

Revision Number: 004.1

Issue date: 11/30/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE EA 9394 AERO PART A QT known as EA 9394 PART A QUART	IDH number:	937059
Product type:	Adhesive for the Aerospace Industry	Item number:	AA9277016
Restriction of Use:	None identified	Region:	United States
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Contact information:	Telephone: (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)



Precautionary Statements

Prevention: Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

Response: IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Aluminum	7429-90-5	30 - 40
Tetraglycidyl diaminodiphenylmethane	28768-32-3	30 - 40
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	20 - 30
Modified epoxy resin	Unknown	5 - 10
Treated fumed silica	67762-90-7	1 - 5

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part A at temperatures greater than 80 °C (176 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.

Storage:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Aluminum	1 mg/m ³ TWA Respirable fraction.	15 mg/m ³ PEL (as Al) Total dust. 5 mg/m ³ PEL (as Al) Respirable fraction. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m ³ TWA Respirable fraction. 15 mg/m ³ TWA Total dust.	None	None
Tetraglycidyl diaminodiphenylmethane	None	None	None	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	None	None	None
Modified epoxy resin	None	None	None	None
Treated fumed silica	10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction.	15 mg/m ³ TWA Total dust. 5 mg/m ³ TWA Respirable fraction.	None	None

Engineering controls:

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection:

Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection:

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Gray
Odor:	mild
Odor threshold:	Not available.
pH:	Neutral
Vapor pressure:	Nil
Boiling point/range:	Not determined
Melting point/ range:	Not determined

Specific gravity:	1.49
Vapor density:	> 1
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Flammability:	Not applicable
Evaporation rate:	Not determined
Solubility in water:	Negligible
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials:	Strong acids and oxidizing agents. Amines.
Reactivity:	Not available.
Conditions to avoid:	To avoid thermal decomposition, do not overheat.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation.
Skin contact:	This product may cause irritation to the skin. Repeated or prolonged skin contact may result in allergic sensitization.
Eye contact:	This product may cause irritation to the eyes.
Ingestion:	Ingestion of this product may cause nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Aluminum	None	Central nervous system, Irritant, Lung
Tetraglycidyl diaminodiphenylmethane	None	Allergen, Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Mutagen, Nervous System
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	Allergen, Irritant
Modified epoxy resin	None	No Data
Treated fumed silica	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Aluminum	No	No	No
Tetraglycidyl diaminodiphenylmethane	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin	No	No	No
Modified epoxy resin	No	No	No
Treated fumed silica	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Toxic to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III
Marine pollutant: Tetraglycidyl diaminodiphenylmethane, Bisphenol-A Epichlorhydrin resin
Exceptions: Classified per IMDG Amendment 34; Effective Jan 1, 2010.

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Aluminum (CAS# 7429-90-5).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

Issue date: 11/30/2016

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.



Revision Number: 003.1

Issue date: 10/24/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE EA 9394 AERO PART B 8OZ **IDH number:** 937060
known as EA 9394 PART B 8 OZ

Product type: Epoxy HardenerAdhesive for the **Item number:** AB9277014
 Aerospace Industry

Restriction of Use: None identified **Region:** United States
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

Contact information:
 Telephone: (860) 571-5100
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: HARMFUL IN CONTACT WITH SKIN.
 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
 MAY CAUSE AN ALLERGIC SKIN REACTION.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY DERMAL	4
SKIN CORROSION	1C
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

PICTOGRAM(S)



Precautionary Statements

Prevention: Do not breathe dust or fumes. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Tetraethylene pentamine	112-57-2	40 - 50
N,N'-Bis(3-aminopropyl)piperazine	7209-38-3	30 - 40
Silica, amorphous, fumed, crystal-free	112945-52-5	5 - 10
3,6,9,12-tetraazatetradecamethylenediamine	4067-16-7	5 - 10
Triethylenetetramine	112-24-3	1 - 5
Carbon black	1333-86-4	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Symptoms:	See Section 11.
Notes to physician:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	In case of fire, keep containers cool with water spray. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Scrape up spilled material and place in a closed container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:

For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part B at temperatures greater than 100 °C (212 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Do not cut, grind, weld, or drill on or near this container.

Storage:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Tetraethylene pentamine	None	None	(SKIN) Aerosol. 1 ppm (5 mg/m ³) TWA Aerosol. (Skin sensitizer)	None
N,N'-Bis(3-aminopropyl)piperazine	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m ³ TWA Inhalable dust. 3 mg/m ³ TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m ³ TWA	None	None
3,6,9,12-tetraazatradecamethylenediamine	None	None	None	None
Triethylenetetramine	None	None	1 ppm (6 mg/m ³) TWA (SKIN)	None
Carbon black	3 mg/m ³ TWA Inhalable fraction.	3.5 mg/m ³ PEL	None	None

Engineering controls:

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.

Respiratory protection:

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	Brown
Odor:	Amine
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	< 0.1 mm hg
Boiling point/range:	340 °C (644°F)
Melting point/ range:	Not determined
Specific gravity:	1.0
Vapor density:	8.6
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not determined

Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Flammability:	Not applicable
Evaporation rate:	Not determined
Solubility in water:	Complete
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-91] (estimated)
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
Reactivity:	Not available.
Conditions to avoid:	Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm. The exotherm has the potential for release of toxic gasses.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes
-------------------------------------	------------------------

Potential Health Effects/Symptoms

Inhalation: Can cause severe irritation and burns to the respiratory tract. May cause allergic respiratory reaction.

Skin contact: This product is severely irritating to the skin and may cause burns. Repeated or prolonged skin contact may result in allergic sensitization. This product may be harmful if it is absorbed through the skin.

Eye contact: This product is severely irritating to the eyes and may cause eye burns.

Ingestion: Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Tetraethylene pentamine	Oral LD50 (Rat) = 3.99 g/kg Oral LD50 (Rat) = 2.1 g/kg Dermal LD50 (Rabbit) = 0.66 g/kg	Irritant, Mutagen, Allergen
N,N'-Bis(3-aminopropyl)piperazine	None	No Records
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
3,6,9,12-tetraazatetradecamethylenediamine	None	Irritant, Allergen
Triethylenetetramine	None	Allergen, Corrosive, Developmental, Irritant, Mutagen
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg	Respiratory, Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Tetraethylene pentamine	No	No	No
N,N'-Bis(3-aminopropyl)piperazine	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
3,6,9,12-tetraazatetradecamethylenediamine	No	No	No
Triethylenetetramine	No	No	No
Carbon black	No	Group 2B	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: This product, if discarded, may be characterized as a RCRA corrosive waste, D002. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Amines, solid, corrosive, n.o.s. (Tetraethylene pentamine, Substituted piperazine)

Hazard class or division: 8

Identification number: UN 3259

Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Amines, solid, corrosive, n.o.s. (Tetraethylene pentamine, Substituted piperazine)
Hazard class or division: 8
Identification number: UN 3259
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: AMINES, SOLID, CORROSIVE, N.O.S. (Tetraethylene pentamine, Substituted piperazine)
Hazard class or division: 8
Identification number: UN 3259
Packing group: III
Marine pollutant: Tetraethylene pentamine

15. REGULATORY INFORMATION**United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None above reporting de minimis
CERCLA/SARA Section 302 EHS: None above reporting de minimis.
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA Section 313: None above reporting de minimis.
California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

Issue date: 10/24/2016

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

Henkel

Warehouse:
 Henkel Corporation
 2850 Willow Pass Road
 BAY POINT, CA 94565-3237
 Tel: 925-458-8000
 Fax: 925-458-8030

PACKING LIST

No. 3003779919 Date 06/01/2017

SOLD-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 PO Box 619048
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

SHIP-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 2750 Regent Blvd
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

Ship to acc.:

Contact: Sherita Grason
 Tel./Fax:

Ship date: 06/01/2017

Consignee must inspect upon delivery

MATERIAL DESCRIPTION	MATERIAL NO.	QTY ORDERED	QTY SHIPPED	NET WEIGHT	BATCH NUMBER	QTY/PACK	HANDLING UNIT NUMBER
PURCHASE ORDER / COUNTRY of ORIGIN					EXPIRATION DATE		
Delivery: 87540810 created on 05/30/2017							
LOCTITE EA 9394 QT AERO (A)-1QT (B)-8OZ KIT	AS9277016	336	336 EA			14x24.000 EA	
known as HYSOL EA 9394 QT SYSTEM							
10/PO# 45610564							
US	420512			Old Mat No.: AS9277016			
ECCN: EAR99	License: NLR				KG JH7DAB5313 / 336EA		
SPEC: 154	CMS-AD-303 TY II,CL2,GR A	Rev. A		LB			
SPEC: 465	BMS 5-109 TYPE II CLASS 2 GRADE A	Rev. B			100287560004195361		
SPEC: 870	HS-AS9277	Rev. C			100287560004195378		
<hr/>							
ITEM AS9277016=6P					100287560004195385		
					100287560004195392		
BATCH 7364573375					100287560004195408		
					100287560004195415		
					100287560004195422		
					100287560004195439		
					100287560004195446		
					100287560004195453		
					100287560004195460		
					100287560004195477		
					100287560004195484		



MSWEET
06/09/17

Henkel**PACKING LIST**

No. 3003779919 Date 06/01/2017

Warehouse:
 Henkel Corporation
 2850 Willow Pass Road
 BAY POINT, CA 94565-3237
 Tel: 925-458-8000
 Fax: 925-458-8030

SOLD-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 PO Box 619048
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

SHIP-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 2750 Regent Blvd
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

Ship to acc.:

Contact: Sherita Greason
 Tel./Fax:

Ship date: 06/01/2017

Consignee must inspect upon delivery

MATERIAL DESCRIPTION	MATERIAL NO.	QTY ORDERED	QTY SHIPPED UOM	NET WEIGHT	BATCH NUMBER	QTY/PACK	HANDLING UNIT NUMBER
PURCHASE ORDER / COUNTRY of ORIGIN							
Total Net weight	: 327.24 KG /	721.44 LB					
Total gross weight	: 390.84 KG /	861.66 LB					
Total packages	: 30						
Carrier	: FedEx Freight Economy						
Carrier trailer number:							
Transport type	: LTL / Commuter						
Incoterms	: FCA Free Carrier - NOT DEFINED						
PRO-BILL No.	:						

Shipment No.:

3003779919



VENDOR# 68126

PRICING IS THE MOST UPDATED PRICING FOR CURRENT YEAR.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



Certificate of Analysis

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

DATE 01 June 2017
PAGE 1 of 1

Purchase Order: 45610564
Date of P.O.: 22 February 2017
Sales Order: 91125505
Delivery Note or Debit Memo: 87540810
Delivery Note position: 900001
Customer No.: 441537

Material: LOCTITE EA 9394 QT AERO
(A)-1QT (B)-8OZ KIT
Known as: HYSOL EA 9394 QT SYSTEM
Material-No: 420512
Legacy Code: AS9277016
Bulk Material: 891979
Batch no: JH7DAB5313
Shipment Quantity: 336.000 EA
Manufacture date: 16 February 2017
Specification: BMS 5-109 TYPE II CLASS 2 GRADE A
Comments: Revision: D

Batch Tested	Test Properties	Specification	Individuals	Avg	UOM
JH7D005313	Pot Life , 100gms @ 77F	> = 30	120	120	minute(s)
JH7D005313	Tensile Shear , TS@300F i00(150F Cure/PAA)	> = 1000	1910,2070,2110,2180 2220,2230	2120	lb/sq.inch
JH7D005313	Tensile Shear , Cohesive failure	> = 0	100	100	percent
JH7D005313	Compression Strength , CS@77F i00(ULT-Load)	> = 15.0	77.1,79.7,80.0,82.4 83.8	80.6	klbf / in ²

The above identified product conforms to all requirements listed above at the date and place of shipment from Henkel. If altered in any manner this test report is not valid. Test reports are available for inspection at Henkel Corporation, Bay Point, California. Henkel warrants this product for 12 months from the date of shipment from Henkel or an authorized distributor when stored at a temperature of <=82F / <=28C. The warranty set forth is exclusively for the benefit of any recipient of the above identified product shipped directly from Henkel or a distributor that has been expressly authorized in writing by Henkel to provide such warranty on behalf of Henkel. Unless received directly from Henkel, please refer to the provider's certified letter from Henkel that establishes them as a Henkel authorized entity.

Signed Test Report on File

Henkel Quality Assurance

Date of Shipment: 01 June 2017

Henkel Corporation,
Aerospace Group
2850 Willow Pass Road
Bay Point, CA 94565-3237

Tel.: (925) 458-8000
Fax: (925) 458 8030
www.aerospace.henkel.com



Certificate of Analysis

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

DATE 01 June 2017
PAGE 1 of 1
Purchase Order: 45610564
Date of P.O.: 22 February 2017
Sales Order: 91125505
Delivery Note or Debit Memo: 87540810
Delivery Note position: 900001
Customer No.: 441537

Material: LOCTITE EA 9394 QT AERO
(A)-1QT (B)-8OZ KIT
Known as: HYSOL EA 9394 QT SYSTEM
Material-No: 420512
Legacy Code: A99277016
Bulk Material: 891979
Batch no: JH7DAB5313
Shipment Quantity: 336.000 EA
Manufacture date: 16 February 2017
Specification: CMS-AD-303 TY II,CL2,GR A
Comments: Revision: A

Batch Tested	Test Properties	Specification	Individuals	Avg	UOM
JH7D005313	Pot Life , 100gms@23°C	> = 60	120	120	minute(s)
JH7D005313	Tensile Shear , TS@150°C i00(Aiclad/PAA)	> = 6.9	13.4,14.7,14.8,14.9 15.1,15.9	14.8	MPa
JH7D005313	Tensile Shear , TS@23°C i02(Aiclad/PAA)	> = 17.2	29.4,29.6,30.3,30.5 31.3,31.6	30.5	MPa
JH7D005313	Compression Strength , CS@23°C i00(ULT- Load)	> = 103.4	531.7,546.4,551.8,568.3 577.8	555.2	MPa

The above identified product conforms to all requirements listed above at the date and place of shipment from Henkel. If altered in any manner this test report is not valid. Test reports are available for inspection at Henkel Corporation, Bay Point, California. Henkel warrants this product for 12 months from the date of shipment from Henkel or an authorized distributor when stored at a temperature of $\leq 82F / \leq 28C$. The warranty set forth is exclusively for the benefit of any recipient of the above identified product shipped directly from Henkel or a distributor that has been expressly authorized in writing by Henkel to provide such warranty on behalf of Henkel. Unless received directly from Henkel, please refer to the provider's certified letter from Henkel that establishes them as a Henkel authorized entity.

Signed Test Report on File

Henkel Quality Assurance

Date of Shipment: 01 June 2017

Henkel Corporation,
Aerospace Group
2850 Willow Pass Road
Bay Point, CA 94565-3237

Tel.: (925) 458-8000
Fax: (925) 458-8030
www.aerospace.henkel.com



Certificate of Analysis

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

DATE 01 June 2017
PAGE 1 of 1

Purchase Order: 45610564
Date of P.O.: 22 February 2017
Sales Order: 91125505
Delivery Note or Debit Memo: 87540810
Delivery Note position: 900001
Customer No.: 441537

Material: LOCTITE EA 9394 QT AERO
(A)-1QT (B)-80Z KIT
Known as: HYSOL EA 9394 QT SYSTEM
Material-No: 420512
Legacy Code: AS9277016
Bulk Material: 891979
Batch no: JH7DAB5313
Shipment Quantity: 336,000 EA
Manufacture date: 16 February 2017
Specification: HS-AS9277
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY

Revision: C

Batch Tested	Test Properties	Specification	Individuals	Avg	UOM
JH7D005313	Color , Pt A - Gray	—	OK	—	—
JH7D005313	Visual Examination , Pt A - Uniform paste; NFM	—	OK	—	—
JH7D005313	Weight per Epoxide , WPE PtA i00	174.00-190.00	181.41,184.03	182.72	g/eq
JH7D005313	Filler Content , Filler PtA i00	33.00-39.00	35.21,36.26	35.74	% (mass)
JH7D005313	Viscosity , Pt A@25C (HBT#7, 20rpm)	4000-8000	6620,6750,6910	6760	poise
JH7D005313	Color , Pt B - Blk "Olive brown	—	OK	—	—
JH7D005313	Visual Examination , Pt B - Gel-like paste; NFM	—	OK	—	—
JH7D005313	Amine Content , Amine PtB i00	25.00-28.60	26.66,27.14	26.90	%
JH7D005313	Viscosity , Pt B@25C (HBT#4, 20rpm)	200-700	381,384,388	384	poise
JH7D005313	Tensile Lap Shear , TS@77F i13 (Bare/PAA)	> = 4000	4170,4270,4290,4530 4580,4640	4413	lb/sq.inch
JH7D005313	Tensile Lap Shear , TS@180F i00 (Bare/PAA)	> = 3000	3290,3350,3360,3380 3400,3440	3370	lb/sq.inch
JH7D005313	Tensile Lap Shear , TS@250F i00 (Bare/PAA)	> = 2000	2560,2600,2600,2620 2680,2800	2643	lb/sq.inch
JH7D005313	Pot Life , 100gms@77F	> = 60	120	120	minute(s)
JH7D005313	Shore D Hardness , ShoreD@5days	> = 80	85,86,87,88 88	87	—
JH7D005313	Date Of Testing ,	May 20, 2017	—	—	—

The above identified product conforms to all requirements listed above at the date and place of shipment from Henkel. If altered in any manner this test report is not valid. Test reports are available for inspection at Henkel Corporation, Bay Point, California. Henkel warrants this product for 12 months from the date of shipment from Henkel or an authorized distributor when stored at a temperature of $\leq 82F$ / $\leq 28C$. The warranty set forth is exclusively for the benefit of any recipient of the above identified product shipped directly from Henkel or a distributor that has been expressly authorized in writing by Henkel to provide such warranty on behalf of Henkel. Unless received directly from Henkel, please refer to the provider's certified letter from Henkel that establishes them as a Henkel authorized entity.

Signed Test Report on File

Henkel Quality Assurance

Date of Shipment: 01 June 2017

Henkel Corporation,
Aerospace Group
2850 Willow Pass Road
Bay Point, CA 94565-3237

Tel.: (925) 458-8000
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www.aerospace.henkel.com



Addendum

DATE 01 June 2017
PAGE 1 of 2

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

YOUR ORDER: 45610564
DATE OF ORDER: 22 February 2017
DELIVERY NOTE: 87540810
DELIVERY POSITION: 900001
CUSTOMER NO: 441537

Material: LOCTITE EA 9394 QT AERO
(A)-1QT (B)-8OZ KIT
Known as: HYSOL EA 9394 QT SYSTEM
Material-No: 420512
Batch
Batch no: JH7DAB5313
Film Batches
Quantity: 336.000 EA
Manufacture date: 16 February 2017

Specification: HS-AS9277 Revision: C
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY
Listed below are the specifications covered by the Henkel specification HS-AS9277.

Specification	Revision
000-804-716	D
000-804-862	B
001-003063 (QUART)	
00200227000	J
00249002000	C
004-800-083	NC
04ME067-1	
13332332	
13366062	A
13632078-1	
171A4702-P7	R
20-01001-02 (PINT KIT)	A
20-01001-03 (QUART KIT)	A
2181102	C
304131-001	
38-18506-0011-1	NA
423-0103 (QUART SYSTEM)	D
47AA0096	B2
53320VT	L
53841BW	K
5PTMILL11 TYPE 1 AMEND 1	B
70193229 TYPE 1	E
740170P1 TY/I CL/3 FM/P GRP 1	A
740193P1	
78001616 NOR 2 (TYPE I)	A
79M000016 TYPE I	B
801221-6001	A
824165-001	
94436-1	B
BMS 11783	B1
BMS 775856	C
BMS 776123	NC

Henkel Corporation, Aerospace Group
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Addendum

DATE
PAGE

01 June 2017
2 of 2

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

YOUR ORDER: 45610564
DATE OF ORDER: 22 February 2017
DELIVERY NOTE: 87540810
DELIVERY POSITION: 900001
CUSTOMER NO: 441537

Specification

Revision

BPS 11.56 GRADE A	D
C20120	D
C453029	PA
CAL-SP-60045-1	A
CDM200-01 (TYPE 4.9A)	J
COMS-0004-8 TYPE 2	H
CSNP021 TYPE I CLASS C	
DAN 1196-1	01
DPM 5535-4	
DPM 5535-7	
DPM 8549	
DPS 1.07-71 TYPE 2	R
EPS 30-135	
EW31006	D
FMS-3070	E
G434721	A
GDMS 11783 (GALLON KIT)	F
GDMS 11783 (GALLON KIT)	F
GEA4055	
HMS 2427	A
HS1265 CODES IA2-1, IB2-1, IVA1-1	BB
HS5345 CODE IVA1 & IB2	P
LAC 30-4876-0100	C
LB0120-053	NR
LCPMC 79940-1&-2	D
M0838-001-0A ISSUE 1	
M1131 TYPE 2	
MA 2321 FORM 2	
MDM 16-1068 CLASS 9 GRADE A	E
MDM 16-1068 CLASS 9 GRADE B	E
MIS-40572	A
MMS-105	A
MMS0023	B
MS-572	
MS34.40-31	D
NSN 8040-01-169-5304 (50 GRAM E-Z)	
NSN 8040-01-288-2856 (QUART)	
NSN 8040-01-288-5856 (QUART KIT)	
P5612620	C
PS 260893 51 5 41	
PS260893.01.05.142 W'ECR 292579	
QTS-SML-139	
R0005010232 CL275 GR85 FRAL TY160000	B
RM-53	A
SAI-SPEC-934 CLASS 4 TYPE 1	D
SIR/SPC/1016/SE	2
STM M1A7	
TB0120-020 TYPE I	C

Henkel Corporation, Aerospace Group
2850 Willow Pass Road
Bay Point, CA 94565-3237
www.aerospace.henkel.com

Tel.: (925) 458-8000
Fax: (925) 458 8030



*Safety Data Sheet
Supplemental Information*

OCT 23 2017

Delivery Number: 8005079713

Supplier Name:

AVIALL CENTRAL WAREHOUSE
DALLAS CDC
DFW AIRPORT 75261
PH: 972-586-1000

Product Details:

416022=6P

MOLD RELEASE: 16OZ

HENKEL CORPORATION

FREKOTE 44-NC PART NO. 83430

1 of 1

Corporate SDS contact - PRC@Aviall.com

Aviall Services, Inc, 2750 Regent Blvd., P.O. Box 619048, DFW Airport, TX, 75261

Henkel**PACKING LIST**

No. 3003751248 Date 05/02/2017

Warehouse:
 Henkel Corporation
 167 Batchelder Rd
 SEABROOK, NH 03874-4402
 Tel: 603-474-5541
 Fax: 603-474-5545

SOLD-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 PO Box 619048
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

SHIP-TO-ADDRESS

Aviall Inc
 Attn Receiving Dock 15-18
 2750 Regent Blvd
 DALLAS TX 75261-9048
 UNITED STATES OF AMERICA

REF: 441537

Ship to acc.:

Contact: Lisa Evans
 Tel./Fax: 800-334-5125

Ship date: 05/02/2017

Consignee must inspect upon delivery

MATERIAL DESCRIPTION	MATERIAL NO.	QTY ORDERED	QTY SHIPPED UoM	NET WEIGHT	BATCH NUMBER	QTY/PACK	HANDLING UNIT NUMBER
PURCHASE ORDER / COUNTRY of ORIGIN					EXPIRATION DATE		
Delivery: 87504791 created on 05/01/2017		56	56 EA			1x56.000 EA	
LOCTITE FREKOTE 44-NC PT							
known as FREKOTE 44-NC 1PT EN							
10/PO# 45636273							
US	416022		Old Mat No.: 83430				
ECCN: EAR99 License: NLR				20.33KG 44.82 LB	LN7DAD9271 / 56EA 04/10/2018 100287560001832443		
Consumer Commodity, ORM-D, NAERG#127							
TEMPERATURE STABILITY:-20 °C - 50 °C :							
Total Net weight : 20.33 KG / 44.82 LB							
Total gross weight : 25.87 KG / 57.04 LB							
Total packages : 1							
Carrier : Fed Ex Ground							
Carrier trailer number : 0							
Transport type : courier service							
Incoterms : DAP Delivered at Place - NOT DEFINED							
PRO-BILL No. : 708858853643							
Store product at room temperature unless otherwise indicated on the package labeling. For optimal room temperature storage, maintain product at a temperature between 8°C (46°F) to 21°C (70°F). Storage below 8°C (46°F) or greater than 28°C (82°F) can adversely affect product properties. For additional information on Loctite branded products, please visit www.loctite.com .							

ITEM 416022=6P



BATCH 7364544695

GRIVAS
05/05/17

Shipment No.:

3003751248

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



Certificate of Analysis

DATE 02 May 2017
PAGE 1 of 1

YOUR ORDER: 45636273
DATE OF ORDER: 04/07/2017
DELIVERY NOTE: 87504791
DELIVERY POSITION: 900001
CUSTOMER NO: 441537

Attention of:
Aviall Inc
Attn Receiving Dock 15-18
PO Box 619048
Dallas TX 75261-9048

Material: LOCTITE FREKOTE 44-NC PT
Known as: FREKOTE 44-NC 1PT EN
Material-No: 416022
Item number: 83430
Batch no: LN7DAD9271
Manufacture date: 04/2017
Use by: 04/2018
Corresponding LMS:
LMS Edition:
Storage Conditions: 46-82F/8-28C

Product Property	Analysis	Specification	Unit of Measure
Appearance	OK		
COLORLESS TO SLIGHT BLUE TINT, CLEAR			
Specific Gravity	0.770	0.760 - 0.782	
Release Agent Transfer Test	6	> = 4	

It is hereby certified that, at the time of manufacture, all materials herewith furnished were tested to the appropriate specification requirements - Loctite, military and/or customer.

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

*** This certificate was electronically generated based upon Henkel internal controls and does not include a signature. ***



Revision Number: 005.0

Issue date: 07/31/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE FREKOTE 44-NC known as FREKOTE 44-NC
Product type: Mold Release
Restriction of Use: None identified
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

IDH number: 416022
Item number: 83430
Region: United States
Contact information:
 Telephone: (860) 571-5100
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

Contains one or more components for which a Toxic Substances Control Act (TSCA) Low Volume Exemption (LVE) applies. See Section 15.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: FLAMMABLE LIQUID AND VAPOR.
 CAUSES SKIN IRRITATION.
 CAUSES SERIOUS EYE IRRITATION.
 MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
SKIN IRRITATION	2
EYE IRRITATION	2A
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

PICTOGRAM(S)



Precautionary Statements

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local

governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Dibutyl ether	142-96-1	60 - 100
Proprietary Resin	Proprietary	1 - 5

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
Ingestion:	Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. Never give anything by mouth to an unconscious person. Keep individual calm. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Get immediate medical attention.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Foam, dry chemical or carbon dioxide. Do not use high volume water jet.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool. Keep personnel upwind of fire.
Unusual fire or explosion hazards:	This product may form explosive peroxides. Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a significantly high level, sparks can form that may ignite vapors of flammable liquids.

Hazardous combustion products:

Oxides of carbon. Irritating organic vapours. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:

Do not allow product to enter sewer or waterways. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. Prevent further leakage or spillage if safe to do so. This product is insoluble in water and will float on surface.

Clean-up methods:

Remove all sources of ignition. Ventilate area. Keep upwind of the spilled material and isolate exposure. Use non-sparking tools for clean-up. Wear suitable protective clothing, gloves and eye/face protection. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE**Handling:**

During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Make sure containers are properly grounded before use or transfer of material. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.

Storage:

For safe storage, store at or below 48.8 °C (119.8 °F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Dibutyl ether	None	None	None	None
Proprietary Resin	None	None	None	None

Engineering controls:

Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

Respiratory protection:

Use a NIOSH approved supplied air respirator if the potential to exceed established exposure limits exists.

Eye/face protection:

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

Skin protection:

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Colorless
Odor:	Mild, Solvent
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	4.8 mm hg (20 °C (68°F))
Boiling point/range:	> 142 °C (> 287.6 °F) (1,013 hPa)
Melting point/ range:	Not determined
Specific gravity:	0.769
Vapor density:	Heavier than air.
Flash point:	25 °C (77°F) Tagliabue closed cup
Flammable/Explosive limits - lower:	1.5 % (value for solvent)
Flammable/Explosive limits - upper:	7.6 % (value for solvent)
Autoignition temperature:	Not available.
Evaporation rate:	Slower than ether.
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	99.5 %; 746 g/l
Viscosity:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Risk of ignition. May form explosive peroxides with prolonged exposure to air or oxygen, especially under anhydrous conditions. Stable under normal conditions of storage and use.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Peroxides.
Incompatible materials:	Reacts with air to form peroxides. Strong oxidizing agents. Strong acids and strong bases.
Reactivity:	Not available.
Conditions to avoid:	Avoid static discharge. Will slowly degrade with exposure to oxygen (air). Vapors may form explosive mixtures with air. Spray mist may be flammable at temperatures below the flash point. Keep away from open flames, hot surfaces and sources of ignition. Fire or intense heat may cause violent rupture of packages.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: Vapors and mists will irritate nose and throat and possibly eyes. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, and breathing difficulties.

Skin contact: Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Dibutyl ether	None	Irritant, Central nervous system, Cardiac, Kidney, Gastrointestinal, Mutagen
Proprietary Resin	None	No Data

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Dibutyl ether	No	No	No
Proprietary Resin	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Resin solution
Hazard class or division: 3
Identification number: UN 1866
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: RESIN SOLUTION
Hazard class or division: 3
Identification number: UN 1866
Packing group: III

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) inventory or are exempt from listing because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS:	None above reporting de minimis
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Fire
CERCLA/SARA Section 313:	None above reporting de minimis
CERCLA Reportable quantity:	Dibutyl ether (CAS# 142-96-1) 100 lbs. (45.4 kg)
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status:	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
------------------------------	---

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Lou Fabrizio, Regulatory Affairs Specialist

Issue date: 07/31/2014

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.



Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Government Transaction Number

NOEEI FTR 30.36

Tracking Number	Delivery Number
075212178422988	8005079713
Ship From	Commercial Invoice Number
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA	9306363092
Ship Date	23 October, 2017
Incoterms	EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
Tax Number: 20-4734803							

Comments:

ATTN Freight Forwarder: Email a copy of Master Air Way Bill (MAWB) to aesaudits@aviall.com

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
30	416022 - MOLD RELEASE: 16OZ Export Tariff: 3403990000 Export Classification: EAR99 Authorization: NLRAT_OCT_2017 Sales Order: 1003527490 PO: 38116 Batch Number : 7364544695	US	1	EA	21.53	21.53



Commercial Invoice

Delivery Number 8005079713	Commercial Invoice Number 9306363092
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Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

Gross Value		21.53
Add on Charges		
Tax Value		
Freight Charges		
Total Net Value		21.53

**FOR CUSTOMS PURPOSES ONLY
NOT A BILLING INVOICE**

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end user(s) here in identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



Commercial Invoice

Delivery Number
8005079713

Commercial IN
9306363092

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD

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Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Tracking Number	Delivery Number
075212178422988	8005079713
Ship From	Commercial Invoice Number
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA	9306363092
Ship Date	23 October, 2017
Incoterms	EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
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